

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT Nelson et al.	
		DEC 15 2000 USPTO	FILING DATE February 7, 2001
			GROUP 2419

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,742,498	06/1973	Dunn			
	4,577,316	03/1986	Schiff			
	4,599,733	07/1986	Gutleber			
	4,642,806	02/1987	Hewitt et al.			
	4,675,863	06/1987	Paneth et al.			
	4,817,089	03/1989	Paneth et al.			
	4,862,453	08/1989	West et al.			
	4,866,709	09/1989	West et al.			
	5,056,109	10/1991	Gilhousen et al.			
	5,103,459	04/1992	Gilhousen et al. <sup>1</sup>			
	5,130,983	07/1992	Heffner III			
	5,257,283	10/1993	Gilhousen et al.			
	5,267,262	11/1993	Wheatly III			
	5,325,394	06/1994	Bruckert			
	5,339,316	08/1994	Diepstraten			
	5,422,887	06/1995	Diepstraten et al.			
	5,446,727	08/1995	Bruckert et al.			
	5,490,136	02/1996	Sereno et al.			
	5,537,397	07/1996	Abramson			
	5,586,119	12/1996	Scribano et al.			
	5,604,730	12/1997	Tiedemann Jr.			
	5,652,764	07/1997	Kanzaki et al.			
	5,657,326	06/1997	Burns et al.			
	5,657,358	08/1997	Panech et al.			
	5,684,794	11/1997	Lopez et al.			

EXAMINER /Saba Tsegaye/ (01/18/2009)	DATE CONSIDERED
---	-----------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 7, 2001	GROUP 2419
(Use several sheets if necessary)			

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,689,502	11/1997	Scott			
	5,712,869	01/1998	Lee et al.			
	5,726,981	03/1998	Yltervo et al.			
	5,745,484	04/1998	Scott			
	5,758,288	05/1998	Dunn et al.			
	5,802,046	09/1998	Scott			
	5,805,994	09/1998	Perrault et al.			
	5,828,662	10/1998	Jalai et al.			
	5,867,527	02/1999	Ziv et al.			
	5,892,774	04/1999	Zehavi et al.			
	5,893,035	04/1999	Chen			
	5,926,500	07/1999	Odenwalder			
	5,933,781	08/1999	Willenegger et al.			
	5,949,814	09/1999	Odenwalder et al.			
	5,959,980	09/1999	Scott			
	5,960,361	09/1999	Chen			
	5,982,760	11/1999	Chen			
	5,991,284	11/1999	Willenegger et al.			
	6,049,583	04/2000	Scott			
	6,056,338	05/2000	Agashe et al.			
	6,075,974	06/2000	Saints et al.			
	6,094,421	07/2000	Scott			
	6,094,576	07/2000	Hakkinen et al.			
	6,097,972	08/2000	Saints et al.			
	6,101,179	08/2000	Soliman			
	6,118,767	09/2000	Shen et al.			

EXAMINER	DATE CONSIDERED
/Saba Tsegaye	(01/18/2009)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 7, 2001	GROUP 2013 2419
(Use several sheets if necessary)			

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,157,616	12/2000	Whitehead			
	6,188,678	02/2001	Prescott			
	6,188,903	02/2001	Gardner et al.			
	6,201,966	03/2001	Rinne et al.			
	6,208,871	03/2001	Hall et al.			
	6,212,220	04/2001	Proctor Jr.			
	6,222,873	04/2001	Bang et al.			
	6,246,673	06/2001	Tiedemann Jr. et al.			
	6,246,715	06/2001	Park et al.			
	6,263,013	07/2001	Hendrickson			
	6,269,075	07/2001	Tran			
	6,269,088	07/2001	Masui et al.			
	6,272,354	08/2001	Saaroi			
	6,275,478	08/2001	Tiedemann Jr.			
	6,301,291	10/2001	Rouphael et al.			
	6,332,008	12/2001	Giallorenzi et al.			
	6,353,645	03/2002	Solve et al.			
	6,388,997	05/2002	Scott			
	6,396,823	05/2002	Park et al.			
	6,452,913	09/2002	Proctor Jr.			
	6,466,800	10/2002	Sydon et al.			
	6,493,816	11/2002	Tsunehara et al.			
	6,501,787	12/2002	Odenwalder et al.			
	6,512,751	01/2003	Struhsaker et al.			
	6,522,639	02/2003	Kitade et al.			
	6,532,226	03/2003	Lehtinent et al.			

EXAMINER /Saba Tsegaye/	DATE CONSIDERED (01/18/2009)
----------------------------	---------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 7, 2001	GROUP -2619- 2419
(Use several sheets if necessary)			

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,545,994	04/2003	Nelson Jr. et al.			
	6,567,391	05/2003	Moon			
	6,570,865	05/2003	Masui et al.			
	6,574,211	06/2003	Padovani et al.			
	6,647,000	11/2003	Persson et al.			
	6,717,916	04/2004	Ahn et al.			
	6,724,740	04/2004	Choi et al.			
	6,735,188	05/2004	Becker et al.			
	6,804,219	10/2004	Koo et al.			
	6,807,221	10/2004	Kim et al.			
	6,934,319	08/2005	Subramanian			
	6,956,840	10/2005	Proctor, Jr.			
	7,079,523	07/2006	Nelson Jr. et al.			
	2001/0030990	10/2001	Rouphael et al.			
	2001/0033558	10/2001	Matsuki			
	2001/0036200	11/2001	Nelson et al.			
	2002/0080024	06/2002	Nelson et al.			
	2002/0141479	10/2002	Ozluturk et al.			
	2004/0047328	03/2004	Proctor et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	0 773 636	05/1997	EP				
	0 910 176	04/1999	EP				
	1 018 809	12/2000	EP				
	2 326 564	12/1998	GB				

EXAMINER	DATE CONSIDERED
/Saba Tsegaye/	(01/18/2009)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE February 7, 2001	GROUP <del>2010</del> 2419
(Use several sheets if necessary)			

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		97/46041	04/1997	WO				
		99/14869	03/1999	WO				
		99/31811	06/1999	WO				
		99/52306	10/1999	WO				
		99/63682	12/1999	WO				

## OTHER DOCUMENTS

EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
		HEINE, GUNNAR, "The Air Interface of GSM," <u>GSM Networks, Protocols, Terminology and Implementation</u> , (MA: Artech House, Inc.), 1999, Chapter 7, pp. 89-100.
		ÖVESJÖ, FREDRIK, "UTRA Physical Layer Description FDD Parts," <u>European Telecommunication Standard</u> , SMG2 UMTS Physical Layer Expert Group, XP002141421, v.0.4, June 25 1998, pp. 1-41.
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD) (Release 1999)," 3GPP TS 25.214 v3.1.0 (December 1999).
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD) (Release 1999)," 3GPP TS 25.214 v3.5.0 (December 2000).
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical layer procedures (TDD) (Release 1999)," 3GPP TS 25.224 V3.1.0 (December 1999).
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Physical layer procedures (TDD) (Release 1999)," 3GPP TS 25.224 V3.5.0 (December 2000).
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (TDD) (Release 1999)," 3GPP TS 25.223 V3.1.0 (December 1999).
/ST/	•	THIRD GENERATION PARTNERSHIP PROJECT, "Technical Specification Group Radio Access Network; Spreading and modulation (TDD) (Release 1999)," 3GPP TS 25.223 V3.4.0 (September 2000).

EXAMINER	DATE CONSIDERED
/Saba Tsugayev/	01/18/2009

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449		ATTY. DOCKET NO. TAN-2-1495.01US	SERIAL NO. 09/778,474
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		APPLICANT Nelson et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)		FILING DATE February 7, 2001	GROUP <del>2610</del> 2419

EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)
/ST/		TIA/EIA Interim Standard, "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System," TIA/EIA/IS-95-A (May 1995).
		YANG, SAMUEL C., "Principles of Code Division Multiple Access," In CDMA RF System Engineering, (MA: Artech House, Inc.), 1998, Chapter 4, pp 75-103.

1 US 5,103,459 corresponds to KR 0134390.

EXAMINER  /Saba Tsegaye/	DATE CONSIDERED  01/18/2009
--------------------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.